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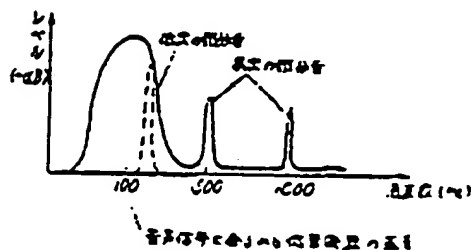
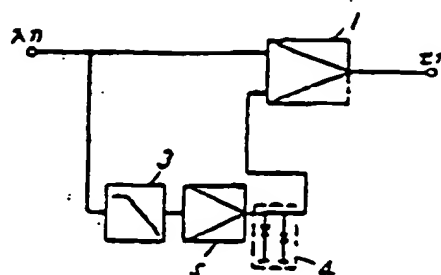
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 PATENTEE : MATSUSHITA ELECTRIC IND CO  
 LTD  
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INVENTOR : OGINO YUJI

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TITLE : LOW FREQUENCY SOUND EMPHASIS  
 CIRCUIT



ABSTRACT : PURPOSE: To generate a high-order partial sound forcibly and to output a low frequency sound component from a speaker as a sound with sharp contour in the sense of listening by distorting a low frequency sound to generate harmonics, adding the harmonics with original music signal at a power amplifier.  
 CONSTITUTION: A voice signal is branched, one is given to one input terminal of a power amplifier having two input terminals, and the other is inputted to an LPF 3. Only a low sound component of an audio signal inputted to the LPF 3 passes therethrough. The low sound component of the passed audio signal is amplified by the power amplifier 5 and distorted in a distortion generator 4. The distorted low frequency sound component is given to the other input terminal of the power amplifier 1, added to the original audio signal, and the result is amplified and outputted. Through the constitution above, a sharp low sound ease of listening is obtained from the speaker.

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